hen the lessons and tasks are all ended, And the school for the day is dismissed, And the little ones gather round me, To bid me good night and be kissed.

My nock in a tender embrace; Ot the smiles that are halos of heaven, And when they are gone, I sit dreaming Of my childhood too lovely to last; Of love that my heart will remember, While it wakes to the pulse of the past Ere the world and its wickednes A partner of sorrow and sin; When the glory of God was about me, And the glory of gladness within.

Of my heart grows weak as a woman's, When I think of the paths steep and stony Of the mountains of sin hanging o'er the On the tempest of Fate blowing wild; O! there's nothing on earth half so hely As the innocent heart of a child!

They are idols of hearts and of households They are itous of neares and of nonsenous;
They are angels of God in disguise;
His sunlight eitil steeps in their treases;
His glory still glemms in their eyes.
O! those truants from home and from heaves They have made me more manly and mild I ask not a life for the dear ones,

All radiant, as others have done;
But that I may have just enough shadow
To temper the glare of the sun;
I wealt pray God to guard them from evil,
But my prayer would bound back to myself;
Ah I a scraph may pray for a sinner.
But a sinner must pray for himself.

sions of one who has stood upon the ness, and nothing could be seen but in his feet and all for what purpose? lip of the crater and looked down the gleam of the burning earth while the cruption is actually in pro- through the chinks at our feet; while gress. It is not always that a view of the white-hot glaring ribbon of molten such a scene can be obtained. It was lava glided languidly down the mounat a time when crash was following tain at our side, and before us was the Ah! but there are more dragons in crash in a manner that was quite suf-flashing of the inner fire upon the the way to mercantile success, and ficiently terrible, and when all the suf-cloud of vapor overhanging the abyss. focating steams and vapors were be- Take all these together, and the scene apples of the Hesperides. ing driven to one side of the mountain is indeed rather different from what Fight them, and the cravens see, thy boldness by a strong wind, that we were able to you picture to yourself as you calmly go up from the windward side stand upon the lip of the crater, look down into the roaring abyss, and see what the eruption of a volcano looks like

getting an idea of what a repository marvellous slowness of its motion. In He had taken many steps on the ladof horrors a volcano is. Without the early part of its descent the incline der of Fortane since he was a cabinsuch a visit, Vesuvius is often a little disappointing. It is nothing but a fine mountain, just like any other, says Mendelssohn. You may be a little disappointed as you see Vesuvius to the early part of its descent the incline the incline and its leader, or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the early part of its descent the incline the or vertical to the or vertical to the early part of its descent the incline the or vertical to the or vertical to the early part of its descent the incline the or vertical to the disappointed as you see Vesuvius from below. But you have only to mount to the summit when an eruption of any magnitude is in progress to find yourself in the presence of appalling phenomena both of sight and sound. Choose the last few hours of the summit was only just perceptible. It seven or eight millions of dollars!

The following anecdote of an oriental sovereign is given by Malcolm, in his History of Persia:

The following anecdote of an oriental sovereign is given by Malcolm, in his History of Persia:

There was no feature more remarkable in the character of Timour, and its blessings withheld from its people, so long will its commerce be weak, its treasury depleted, and the great burdens of sustaining its stream—the tenseity of its surface.—

The following anecdote of an oriental sovereign is given by Malcolm, in his History of Persia:

There was no feature more remarkable in the character of Timour, and the great burdens of sustaining its sound. Choose the last few hours of daylight for your ascent, and then, as the darkness closes round and the looked as though you might ruffle its often persisted in his efforts, under commerce, and the veins and arteries often persisted in his efforts, under commerce, and the veins and arteries often persisted in his efforts, under commerce, and the veins and arteries often persisted in his efforts, under commerce, and the veins and arteries often persisted in his efforts, under commerce, and the veins and arteries of the laboring millions. Withdraw the darkness closes round and the

blaze which make you shrink back a gy with which one is most familiar in and I shall never forget the lesson it little. This surprise is occasioned, I accounts of cruptions that took place conveyed."

This reminds us of Bruce's spider, suppose, by the formation of the cra- in bygone days. I am not sure that mile in diameter; sand ome hundred form it hardly seems probable. It plished was accomof this bowl, on the opposite side to lava to fill that great bowl of a half people, that everything must be struck where we stood, was a great hole, from mile in diameter, which I suppose it out at a heat; that this is the way getion were shot; the surface of the would run over down the sides of the common sense active. W, REED, bowl being composed of lumps of la-mountain. I saw no indication that va, stones and cinders, all of them this ever took place. While you are mother of a bright but meared with sulphur, precisely like on the mountain, the streams of lava tween you and the gulf an enormous quite distinguishable from each other wall, which dulls everything alike—by their differences of structure and

steeps of the cone itself you might be no indication of any one of them havsteeps of the cone itself you might be no indication of any one persev. sixty-nve years; might one unaware that the mountain was dising come over the lip of the crater. In desi of maintaining prising, because it turbed. But a single step seems al- every single instance the source of the most enough to transfer you from the lava stream seemed to have been lowmost deathlike stillness to the grand- er down the mountain, (Certainly est exhibition of force it is possible to this was the case with the very fine act. True; and so may perseverance conceive, instead of the monotonous one which burst out just before our dull black of congealed lava on the visit. As we stood upon the lip of lower levels, you have the deep brick the crater it was below us throughout lished. Perseverance is a linked chain red of stones that have been under the its whole length. The lava was issuaction of fire, the brightest vermilion, ing from a great fissure which it had with hooks of steels of the won. and every imaginable shade of orange made for itself some distance down in and yellow that sulphur deposits are the side of the cone. The guides hurbullet proof, Mark Twain says, take capable of taking. The ground is hot, ried away from the neighborhood of of his hide and line it with sheet iron. too; so hot, indeed, that you cannot its source, because, they said, it was Russia iron is the best, and is slicker keep your foot on the same spot for quite possible another orifice might and more showy than the common many seconds together. Between the open at any moment, and then it would kind "Dogs prepared in this manner chinks of the stones you can see that a be all over with the present specto- do not mind bullets. better angest few inches below the surface it is actually red hot. You thrust in the end clearly led them to regard this as the Mx first is what lies at the door;

wind were can be will be at the case of th

VOL. 1. of mild educes that mild educes the mild educe of tair thou the RAVENNA, O. THURSDAY, JAN. 7, 1869. ing to new-born male children. But, thanks historian Phili-

sulphur which sets you coughing from is a broad stream, to a point where a numberless small holes about your bifurcation took place, and then the feet there issue with a hiss sulphur burning mineral went down to the ons jets of steam which nearly choke base of the mountain in two streams you as you pass over them; and then of perhaps twenty feet each in width. as you look down into the actual abyss | looking in the darkness like two broad you are face to face with the most ap- ribbons of fire stretching down into palling phenomena, both of sight and the plaint wisty business is rectain

sound, which, perhaps, the whole of Europe has to offer. Among the part of PERSEVERANCE of the "Do not, for one sepulse, forego the purpose

crowd of strange sensations that are experienced at such a time the phe-A weak spirit will be crushed by nomens of sound are perhaps the most wonderful of all. What meets rouse a strong one to evertion. The rouse a strong one to exertion. The the cars is, if anything, even more same storm which fixes more firmly the ears is, if anything, the eye. Even, same storm which have the terrific than what meets the eye. Even, the giant oak, roots up the tender sapto sight the cruption is not just what ling.

the imagination paints it beforehand. Stroke after stroke fells that It does not consist, as the pictures necessarily lead one to suppose, of a con-

tinuous shower at all. Still less does it consist of a continuous shower of black ashes shot out from a fire blazing on the top of the mountain; it is rather a series of explosions. But the roar and glare of the great abyss is This slap-dash way of acquiring a

continuous. You look into the pit, and though you see no actual flame, yet its sides are in a state of constant, incandescence; from the mouth of it there roars up incessantly a dense would summon the genii, and obtain

Success bivor I tadt tod sofgi era that senting the particle such an eco MAre with more spirit chased than enjoy'd."

read in your newspaper that Vesuvius Fear them, and thy treacherous heart bath len

is once again in a state of eruption. their ranks a legion, I spoke just now of the stream of Stephen Girard, at the age of forty lava which glides down the mountain, commanded his own sloop, engaged In the first place, two peculiarities in the coasting trade between New were observable in it. One was the York, Philadelphia, and New Orleans.

which all the projectiles of the erup-would have to do before any of it nius works. Genius is suggestion, but sias! he has not the g prisoners con-

wall, which dulls everything alike—by their differences of structure and for eye and ear. Even while on the color. We saw many such; but I saw at least, he ics for terms rangify upon past four years, was continued eveof \$14 90 I this is an unconscious ing what is undertaken, is once estab-

TOWAKE a valuable speekled dog

nse cloud of smoke and vapor; all nously in a molten state from the fis- Mat-ri-mony.

THE SIGNAL STAR. BY FANNY FOREESTER. back, come back, my childhood." I. E I'd not recall my childhood, With all its sweet delight, Its simple, bird-like gladness, It was not always bright. Even morning had her tear drops, And Spring her clouded sky,

And on the fairest cradle 1'd not recall my childhood. Though tender memories throng Around its rosy portals, Preclusive to life's song: The full voice living chorus Is swelling round me now. And a rosier light is resting

Ubon my malden brow. Thave made a changeful journey, Up the hill of life since morn, I have gathered flowers and blossom I've been pierced by many a thorn, But from out the core of sorrow I have plucked a fewel rare.

In their ceaseless strife with care. Now I grasp life's burning breaker, And howe'er the bubbles glow, I'll pause not till I've tasted The despest wave below; Though bitter dregs may mingle, The crimson light shall roll In full and fearless currents Through the fountains of my soul.

The strength which mortals gather

Not I'd not go back to childhood, From the radiant flush of noon, And when evening closes round me,

The stage is the same and another the same of the stage of the same of the sam the various other parts of our country, that were daily taking in their cargoes in the harbors at Charleston, New Orleans, and the intervening ports, the greater portion of those freights were

cotton, rice sugar and tobacco. The same was the case with the commerce of the Mississippi. But now that the desolating hand of war has laid waste their fair fields and fine farms, palsied the hand and blighted the ambition of agriculture, lands have depreciated to mere nominal values; commerce lanonishes, and the most fertile soil known on earth to man, can now raise but a slight revenue with which to aid in the support of our Governmentonce the field of prosperity and pride of the earth. And so long as, for any

the presence of a scene for which no language can be very extravagant.—
For experienced mountaineers the effort required for the ascent is nothing remarkable, but for ordinary people it is laborious enough.

Great, accordingly, was our surprise to despair. He used, on such occaling the used is laborious enough.

You arrive at the edge of the crater, and there you behold a scene full of awe and majorty. The suddense of a second success of the craterian agricultural pursuits and prosperity. By the just, and the good, bloody and devastating wars are viewed in their of awe and majesty. The suddenness without producing the faintest appa- rying a grain of corn larger than itself true light, as the parade of demons with which you come upon it is quite rent indentation. Mercover, it is up a high wall, I numbered the efstartling. Going up you neither see commonly supposed that lava is al. forts it made to accomplish this oblation, and the useful arts of peace mor hear anything. One moment you ways projected from the crater, and ject. The grain fell sixty-nine times appear the only proper source of india state of unsettled anarchy and conter. It is a huge bowl which comes up to quite a sharp lip, about half a the crater in anything like its present ous before the object was accomage the people in pursuits of husband-

ry-the great source of our nation's become the true American citizen .-

admits the culture of many of the ter that has been enriched by taking most valuable productions of the into solution portions of plant-food. tropics, while the Northern limits These little roots are provided with a verge upon, but do not reach, the less cap or tip much harder than the body favored regions where severe and en- of the spongiole, somewhat as the feet which grapples to the goal of Success during frosts entail a scanty vegeta- of the mole or woodchuck are armed tion. Commencing nearest the trop- with nails. This cap is perforated ical limits, the chief attention of the with numerous small holes, large farmer should be called to the cultiva- enough to admit such liquid as the tion of sugar-cane, rice, tobacco and spongiole might require to lengthen especially cotton, more of which last the root by adding particle to atom

grown as high as Tennessee, Ken- pipe by building on brick after brick, better.

Middle and Western States are rich in the production of wheat, rye, barley, Here, at the extremity of the root, is dull, yet the properties of numbers Saturday, Dec. 11, I observed an artioats, corn, potatoes and grass, all of where its growth lengthways, takes are so singular that our readers will cle upon counterfeiting. As you do which are extremely valuable. Corn, from its affording so large an amount durated cap is the stomach-so to extract from a "Key to Pleasant Exer- ory of the art, I shall endeavor to enof food for man and animals, should speak-of the root. The pabulum is cises, a London Manual," and in some lighten you and the public. be regarded as the most valuable cereal received into the spongiole, digested, it awakens a spirit of curiosity and In the first place, a perfect fac simile crop raised in the United States. Be- to all intents and purposes, just as philosophical inquiry, gratifying to of the bill cannot be engraved by sides there are many other rich products of the fields and forests which enter largely into the aggregate of the national wealth. The first history of American Agriculture differs from that of the countries of the old world, where the advances in the arts were slow, and every acquisition marked with rudeness and simplicity. Not so in America, whose intelligent European settlers came with all the appliances of advanced civilization, prepared to chop down the forests and clear away the thickets, which had so open mouths ready to lay hold of any tion might be found, but when he gets No doubt you will be surprised to long encumbered the ground, and furnished to the savage red man only a which is adapted to the requirments only 99; two 9s. And at the next step are gotten up. A party of men, say scanty subsistance. For a time the of the growing plant. The spongioless higher, namely, 12 times 9, he obtains from three to a dozen, get together virgin mould yielded abundant crops of certain kinds of plants will lay hold only 108, or one 9. and stored full the granaries of the of coarse, hard, and rough materials, Then he may be shown the fact that according to a plan laid down. One industrious farmer. But in many por- and appropriate them to the purposes the first nine digits 1 2 3 4 5 6 7 8 9, or two will find out some copper-plate tions of the country the soil was sub- of the plant, just as goats will subsist amount to a large number of 9s, viz. : printer in the employ of the bank-note jected to a scourging course of tillage. on weeds and other rough feed which five 9s are 45; and he may be taught printing office-in fact, all such printby which many of the elements of its sheep would refuse. Roots benefit the that if, instead of adding the line ers are known by the party. These fertility were exhausted. No soils soil in two ways-by their action in up, he will multiply the middle by the men will manage to meet one of the can stand a great succession of years life and their function after death. last figure, namely five times 9, he will printers in the evening, get acquaintof culture without adequate help from Thus, clover and the thistle roots find the value of the whole most read-ed, drink, and have a good time genproper fertilizers. Let not the farm- pierce a stiff subsoil and by capillary ily; and this is upon the principle of erally with him. and so proceed for a ers of our western valleys boast of the attraction draw up potash, lime, iron, taking averages, which he will have few evenings. Then they offer him depth and inexhaustible productive and phosphorus in solution. When occasion to resort to in higher depart- from \$50 to \$150 to procure a certain powers of their lands; but let them the plant dies these substances are ments of the science. return to to their field a just compen- nearer the surface than they were be- He may then be directed to notice is made in this wise: The printer sation for each crop produced. Salt, fore, while the decay of the root yields the effect of adding together two lines will take an impression upon tin foil gypsum (plaster of Paris) lime, muck, humus. How to promote growth of formed of nine digits, but in reversed wood ash and barn-yard manure make roots is a consideration of the greatest order. For instance, an excellent compost for dressing the practical importance to every person soil, each of which, even when used who trains a growing vin e, or cultialone, will add valuable fertilizing vates a tiny flower. The vital fluid, properties. Don't be airaid of getting which is to trees and plants what blood your land too rich. Book-farmers is to the animal system, enters the cirhave long suffered under general dis- culation through the spongioles of the credit, and have been exposed to the innumerable radicles which are sent taunt and ridicule even of their own out in quest off such material as the agricultural brethren. Doubtless the plant requires, to build up the stem and imperfections of much of the scientific branches, and to develop the fruit. If Or, let the one line be subtracted from data furnished and practiced upon has the earth, therefore, be in such a fine often given occasion to unsatisfactory state of pulverization that the tender

results. But the rapid progress of radicles can spread readily in every science has developed new facts, and direction, several feet below the surfurnished much more accurate infor- face, the requirements of the growing mation. Look over you acquaintance; roots, in a very important respect will see the intelligent, scientific and indus- have been met. In many localities

but we expect soon to discuss the cul- the stem pushes upward, is so porous, amount to five nines. tivation of the grape, the peculiar fit- mellow, and fertile that the tender worth to you the full subscription indurated and stubborn that in dry line be multiplied by one 9, thus:

price of The Democratic Press. THE NATURE AND USES OF THE the pick, and the clod crusher should ROOTS OF VEGETABLES. root is nothing but an underground portion of a tree, or growing plant, pushed out of the kernel through the soil, as one would thrust a walkingstick into a sand-bank; and judging

crushed, mutilated and toru, when a The roots of such plants as are cultiva- and nine of them. tree or plant is removed, one would ted for the food they yield, cannot suppose that roots are of no more appropriate lumps of earth to the deaccount than numerous wooden pegs velopment of the stem and fruit, any thrust in every direction from the par- more than a bullock when confined to ent stem, to aid the growing plant in a straw stack can lay on the excellent and the great burdens of sustaining its maintaining an erect position. But to steak or the delicate tenderloin. Ev- 622221122 the practical cultivator of the soil, a ery minute atom for the nourishment correct understanding and proper ap- of plants must be changed from the plication of the particular functions solid to the liquid condition, and be of the roots—how they are formed— brought in contact with the spongioles world below becomes hidden from your view, you stand at the crater in the point of your stick, accordingly, was our surprise to daspair. He used, on such occafine mould—how they maintain the one drop of nourishment, but they be of equal value to each respective of silk worms and sand. Among the life of the growing plant, and how must remain stationary with mouths multiplier. they build up the the parent stem and ever open to catch the minute particles aid in unfolding the buds and in de- as they are washed downward by the places in each line by 2, and all the carbonate and arsenite of copper and veloping the leaves and fruits—consti- decending raindrops. Therefore, the other digits, up to nine inclusive, the verdigris. Even flour is adulterated tute one of the most useful and impor- finer the course fertilizing material whele line of results will be arranged with sulphate of lime, bone earth, corn taut barnches of practical agriculture. can be reduced, and the more thorallike, from right to left, and from left meal, and damaged flour. Spices are The tiller of the soil who does not oughly the seed-bed can be commin- to right, that is from a to a, reading increased in bulk if not in quality by understand something of the office of ated before the germs are planted in in either direction: roots may, by accident, succeed. A the mould, the more readily will the correcl understanding of the functions roots perform their office of building of growing plants and their roots is up strong and healthful stems, and of are clambering up the side of the cone the language commonly used in de- to the ground, but the insect perse- vidual pleasure and earthly bliss. Is fundamental to a mastery of the prin- developing abundant crops.—World. amid profound silence; the next moment, as your head arises above the crater lip, you encounter a roar and a as animal life; and the little white following piece of Congressional fun. fusion, that thereby a portion of our rootlets, no bigger than a knitting When the question of emblems and the United States, according to the been prepared in Illinois, which will fertile fields should remain an unset- needle, that push their obscure way devices for our national arms was be- census of 1860, number 1,801,136, divi- be presented to the coming legisla ture through the dim and turbid soil fore the old Congress, a member from ded among the principal States as fol- to prevent the adulteration of food, are as much alive as earth-worms or the South warmly opposed the eagle lows: New York, 256,252; Ohio, drink and medicines. The law is caregrubs, or the insects that burrow un- as a mona rehical bird. The king of 168,210; Pennsylvania, 138,244; Il- fully drawn and comprehensive. The der the sod. The philosophy of veget- birds could not be a suitable representinois, 138,804; Wisconsin, 123,878; wealth-simply to satisfy a feeling of able economy in the soil is mysterious. tative of a country whose institutions Missouri, 88,187; Indiana, 66,705. The ment. revenge and hate? This would illy It cannot be studied, because when were founded in hostility to kings. Germans in the principal cities are diswe invade those dim and silent king- Judge Thatcher, in reply, proposed tributed as follows: New York, 119,-Let our laws be uniform; let our doms with the scrutiny of our science the goose, which he said was a most 977; St. Louis, 50,510; Cincinnati, 43,-Let our laws be uniform; let our doms with the scrutiny of our science the goose, which he said was a most off, bladelphia, 43,630; Baltimore, blood, one on each side; these branch. States be coequal, so that all the rich this very intrusion arrests the living humble and republican bird, and 931; Philadelphia, 43,630; Baltimore, off from the main arteries on each side acres of the whole country will extend process we would study. When a would in other respects prove advan- 32,908; Chicago, 22,227; New Orleans. an invitation to industrial pursuits.- certain amount of moisture and heat those upon which we were standing. Which have issued forth and cooled at As you mount the cone there is beder of minds, nung and severaboy of agriculture which, for variety and always precedes the stem. As soon as extent, surpass those enjoyed by any the radicle has burst through the inother people on the globe. We occupy tegument of the kernel the tender exthe greatest portion of the North tremity is provided with a portion of American continent, embracing all radicle of soft texture, which the bot-

tucky, and Southern Virginia. The or by continuing to apply more and more mortar at one end of his work. Arithmetic is usually extremely place. And here also, behind this in- extract amusement from the following not appear to understand the true themuch as the food that enters the stom- themselves and perhaps useful to oth- hand, as the most parts are engraved ach of a living animal. Here it is ers; concocted into sap and fibrous mate- How many nines may be added to- you see the impossibility of executing rial; and by a process which mortals gether, or by whatever number of the work without its being immediateare not permitted to look into-as all numbers it may be multiplied, the line by detected; that is, the lines on the or point of the miniature mole-plow- may be added together, and it will as on the genuine. The genuine plates

weather a spade cannot be thrust into it with one effort of the foot, there the trench plow, the sub-soiler, the spade, all be brought into requisition, in pre-

Mansfield T. Walworth, in his political researches, brings to light the

could bear. Construing his good humored irony into an insult, he sent a challenge. Thatcher returned it to the bearer, observing that he would varieties of soil and surface, with a anists call a spongiole or little sponge, not accept it. "What! will you be climate which, in the Southern parts, because its chief duty is to absorb wa-branded as a coward?" "Yes, sir, if he pleases. I always was a coward. and he knew it, or he never would have sent a challenge to me." The joke was too good to be resisted, even by the angry party. It occasioned infinite mirth in Congressional circles, and the former cordial intercourse between the parties was restored.

To preserve meat cut it in from two to four pound pieces; place the pieces was raised in the Southern States be- behind this shield as the clongation of in an earthen or wooden vessel; sprin- Sun that will happen in this country hence the nose instantly stops bleedfore the war than in all the rest of the each root is effected. This cap on the kle with salt, and cover with powder- until the last year of the century. world besides. In the production of extremity of each root may also be ed charcoal. In this manner meat sugar, Louisiana took the lead, though compared to a mole-plow, which is may be kept fresh more than fifteen Florida, Alabama and other Gulf thrust forward through the seed-lid as days, no matter how warm the weathtually red hot. You thrust in the end of your stick for a moment and you pull it out charred. Over all the farther half of the crater there half of the crater the body of the count of the crater the body of the count of the crater the body of the count of the crater there have a count of the crater the body of the count of the crater there have a count of the crater the body of the

this occurs in darkness—the hard cap- of figures forming the sum or product figures and letters will not be the same is thrust forward, farther and farther consist of an amount equal to one or, are engraved by the best workmen in from the parent stem. In this way, more nines. For instance; twice nine the country, and with every facility rootlets and branch rootlets and mul- are 18; the 1 and 8 are 9. Four times for making a very neat engraving. On tiple rootlets continue to be formed, nine are 36; the 3 and 6 are 9. A learn- the other hand, the counterfeiters, not until every cubic inch of the low seed er finds some amusement in increasing having such facilities, they make a bed has been provided with a score of the amount, as if he expected a varia- bungling job. material that may be in the soil, and to II times 9, he finds the product is

123456789 987654321 11111111110-1-9

There is something striking to the eye in such a product, for the wonderful number recurs again in nine ls and it may serve to induce thinking.

987654321 864197532

numbers become curiously arranged; case where a party of this kind exists trious farmer; and you will find his nature has done all that any tree or the whole of the nine digits are there, that every member lacks confidence in labors crowned with success. This plant may require, as the entire earth, as in the upper lines; there is no surarticle will for the present conclude as far down as roots will ever strike, plus or repetition; there is only one one is narrowly watched by the othwhat we have to say about agriculture, even were they to descend as far as figure of a kind, and, of course, they ers of the party. It would be death

Would the pupil wish to see a sum kets abroad! Of the many vessels ness of our soil for that purpose, and radicales meet with very little resist- in multiplication, the product of which we will say to those inexperienced in ance. Such land will require no break- shall contain several figures, but all as to let you know how some things the cultivation of the vine, yet who ing up with the sub-soil plow or spade. alike? Tell him to set down all the are accomplished. If you think it is desire successfully to grow that deli- On the contrary, where the strata of digits except the 8, and if he would worth while to give these facts to the cious fruit, we will make every article carth beneath the surface mould is so like the product to be all ones, let the public you are welcome.

9

And here again is the faithful num Most persons are apt to think that a paring the bed for the penetration of ber, for the product presents nine the countless radicles that must spring ones.

into life, before our palates can be re-If the product of 2s would pleas galed with the wheaten loaf or the him, let him multiply the line with lucious fruit. The delicate radicles of two 9s or 18, and so on with 27, 36, fruit-producing plants and trees cannot &c., until by multiplying by nine 9s, from the manner in which roots are feed on coarse and rough material or 81, he will have a product of 9s.

> 12345679 12345679 61728395 12345679 98765432 49382716 555552555

The pupil may try the intermediate

al8 27 36 45 54 63 72 81a And the first figure in each couple alum, potash and potato flour add their from other end is in simple rotation attractions to lard. The articles that

THE GERMANS.—The Germans in sauces are all adulterated. A bill has tageous inasmuch as the goslings 19,729; Boston, 32,202. The Germans would be convenient to put on the ten in the United States have probably incent pieces. The laughter which fol- creased one-third since 1860, and will lowed was more than the Southerner therefore now number in this country the way back from the chin to the an-1.700,000 souls.

> ECLIPSE OF THE SUN AND MOON. Moon, as follows:

First-Partial eclipse of the Moon. in the evening.

August 7th, at 4h. 6.m., evening,

A chemical analysis of the brandy utes, and the ruptured vessels in the oil and sugar.

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HOW COUNTERFEIT MONEY IS MADE.

by machinery called lathe work. So

learn the way the best counterfeit bills

and hold frequent meetings, and act kind of impression. This impression from the plate from which he is printing, which can be done in a moment. Thus you see every line and size is obtained correctly. From this tin foil an electrotype plate is made. They then get some plate printer that can be found about the city, have a good time with him, and engage him for \$20 per day to do the printing. By this plan thousands of copies are struck off which defy detection, except in the quality of paper which will slightly differ from the genuine. The place of manufactory is generally some distance from the city like Staten Island, Flatbush, or sometimes Baxter Street, or similar localities in In this result the odd and even the city. It is a strange fact in every to any informant or spy that did not look well to himself.

If we only knew all the nastiness we consume as beverages and food we would almost be tempted to resort to the primeval diet of roots, game, fish and nuts, and to drink the pure water of the brook; and bad as the stuff is we cat and drink, we only recaive in weight and quantity about four fifths of what we pay for. An invesigation in this direction, now going on in New York, has created considerable excitement. It seems that coffee is adulterterated with chicory, roasted beans, acorns, mangelwurzel, roasted wheat, rye and potato flours, roasted peas, parsnips, sweet potatoes, sawdust, oak bark tan, and brick dust, and to color it burnt sugar, madder root, roasted horse liver and burned blood have been used, Tea is adulnumbers to produce threes, fours, terated with exausted tea leaves, leaves sixes, sevens and eights. There will of the beech, elm, horse chestnut, plane, delightful mixtures for coloring tea If the number 9 be multiplied in 8 are chrome yellow, sulphate of lime,

oil-cake, arrow root, mustard husks

and common clay. Sugar is adultera-

ted by wheat flour, tapioca, starch sand

and plaster of Paris. Mutton' snet,

adulterate confectionary are legion. Vinegar, pickles, mustard, honey and

penalties comprise fine and imprisonlittle arteries that supply the face with of the windpipe, and running upward toward the eyes, pass over the outside of the jaw-bone about two-thirds of gle of the jaw under the ear. Each of these arteries, of course, supplies just one-half of the face, the nose being There will be four eclipses the coming the dividing line; the left nostril is year-three of the Sun and one of the supplied with blood by the left artery Now suppose your nose bleeds from your right nostril; with the end of January 27th: beginning 7h. Sm. 30s., the forefinger feel along the outer edge of the right jaw until you feel the Second-Annual eclipse of the Sun, beating of the artery directly under February 11th, at Sh. 34m., in the your finger, the same as the pulse in the wrist; then press your finger hard Third-Partial eclipse of the Sun, upon it, thus getting the little fellow July 23d at 8h 34m., in the morning. in a tight place between the finger and Fourth-Total eclipse of the Sun, jawbone; the result will be not a drop of blood goes into the side of your This will be the largest eclipse of the face while the pressure continues; ing for want of blood to flow. Continue the pressure for five or ten min-